

Claims

- Claim 1: Amorphous silica particles, wherein the maximum value of $\Delta V_p / \Delta R_p$ (where V_p is the pore volume [mm^3/g] and R_p is the pore radius [nm]) is 20 $\text{mm}^3/\text{nm}\cdot\text{g}^{-1}$ or more in the pore distribution curve obtained by a benzene adsorption isotherm, and the pore peak radius when the $\Delta V_p / \Delta R_p$ value is maximum is from 20 nm or more to 100 nm or less.
- 10 Claim 2: Amorphous silica particles according to Claim 1, wherein the maximum value of $\Delta V_p / \Delta R_p$ (where V_p is the pore volume [mm^3/g] and R_p is the pore radius [nm]) is 30 $\text{mm}^3/\text{nm}\cdot\text{g}^{-1}$ or more in the pore distribution curve obtained by a benzene adsorption isotherm, and the pore peak radius when the $\Delta V_p / \Delta R_p$ value is maximum is from 30 nm or more to 90 nm or less.
- 15 Claim 3: Amorphous silica particles according to Claim 1 or 2, wherein the oil absorption measured by JISK6217-4 (a carbon black for rubber – basic characteristics) is more than 260 ml/100g.
- 20 Claim 4: Amorphous silica particles according to Claims 3, wherein the oil absorption measured by JISK6217-4 (a carbon black for rubber – basic characteristics) is more than 280 ml/100g.
- 25 Claim 5: Amorphous silica particles according to Claim 4, wherein the oil absorption measured by JISK6217-4 (a carbon black for rubber – basic characteristics) is more than 300 ml/100g.
- 30 Claim 6: Amorphous silica particles according to Claim 5, wherein the oil absorption measured by JISK6217-4 (a carbon black for rubber – basic characteristics) is more than 320 ml/100g.

Claim 7: Amorphous silica particles according to any one of Claims 1 to 6,
wherein the OI1 is 9.5 or less.

5 Claim 8: Amorphous silica particles according to any one of Claims 1 to 7,
wherein the OI2 is 1.2 or less.

10 Claim 9: Use of silica particles according to any one of Claims 1 to 8 as
matting agent, adsorbent (carrier) for pharmaceuticals and/or
agrochemicals, extender or filler of various rubbers.

Claim 10: An adsorbent for pharmaceuticals, agrochemicals, comprising the
amorphous silica particles according to any one of Claim 1 to 8.

15 Claim 11: A matting agent, comprising the amorphous silica particles
according to any one of Claim 1 to 8.